

WEST Search History

DATE: Tuesday, April 19, 2005

Hide?	Set Name	Query	Hit Count
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L37	L36 and (disk near5 address\$1)	9
<input type="checkbox"/>	L36	L35 and ((metadata) or (meta data))	15
<input type="checkbox"/>	L35	L33 and inodes	20
<input type="checkbox"/>	L34	L33 and inode	20
<input type="checkbox"/>	L33	(file\$1 and system\$1 and snapshot\$1).ti.	52
<input type="checkbox"/>	L32	(file\$1 and system\$1).ti.	20208
<input type="checkbox"/>	L31	6829617.pn.	2
<input type="checkbox"/>	L30	L29 and stor\$	10
<input type="checkbox"/>	L29	L28 and delet\$	11
<input type="checkbox"/>	L28	L27 and copy\$	11
<input type="checkbox"/>	L27	L26 and (data near5 block\$1)	12
<input type="checkbox"/>	L26	L25 and metadata	13
<input type="checkbox"/>	L25	L24 and snapshot\$1	19
<input type="checkbox"/>	L24	L23 and (file near5 system\$1)	58
<input type="checkbox"/>	L23	(disk near5 address) same (inode\$1)	62
<input type="checkbox"/>	L22	6604118 .uref.	1
<input type="checkbox"/>	L21	6205450 .uref.	10
<input type="checkbox"/>	L20	L18 and linux	0
<input type="checkbox"/>	L19	L18 and linux	0
<input type="checkbox"/>	L18	L17 and unix	22
<input type="checkbox"/>	L17	(disk near5 address) same (snapshot\$1)	45
<input type="checkbox"/>	L16	L15 and (multiple near5 inode\$1)	9
<input type="checkbox"/>	L15	L14 and stor\$	17
<input type="checkbox"/>	L14	L13 and copy\$	17
<input type="checkbox"/>	L13	L12 and (disk near5 address\$1)	17
<input type="checkbox"/>	L12	L11 and (updat\$ or modify\$)	41
<input type="checkbox"/>	L11	L9 and metadata	44
<input type="checkbox"/>	L10	L9 and metadaa	0
<input type="checkbox"/>	L9	snapshot\$1 same inode\$1	70
<input type="checkbox"/>	L8	l5 and snapshot\$	1
<input type="checkbox"/>	L7	L5 and (inode)	0

<input type="checkbox"/>	L6	L5 and (inode\$1)	0
<input type="checkbox"/>	L5	hp.as.	6138
<input type="checkbox"/>	L4	L3 and snapshot\$1	8
<input type="checkbox"/>	L3	L2 and (data near\$ block\$1)	11
<input type="checkbox"/>	L2	(inode\$1).ti.	23
<input type="checkbox"/>	L1	(inode\$1 and datablock\$1).ti.	0

END OF SEARCH HISTORY

Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 8 of 8 returned.

☐ 1. Document ID: US 20030195903 A1

Using default format because multiple data bases are involved.

L4: Entry 1 of 8

File: PGPB

Oct 16, 2003

PGPUB-DOCUMENT-NUMBER: 20030195903

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030195903 A1

TITLE: System and method for asynchronous mirroring of snapshots at a destination using a purgatory directory and inode mapping

PUBLICATION-DATE: October 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Manley, Stephen L.	London	CA	GB	
Owara, Shane S.	Mountain View		US	

US-CL-CURRENT: 707/201

Full	Title	Citation	Front	Review	Classification	Data	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 20030182325 A1

L4: Entry 2 of 8

File: PGPB

Sep 25, 2003

PGPUB-DOCUMENT-NUMBER: 20030182325

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030182325 A1

TITLE: System and method for asynchronous mirroring of snapshots at a destination using a purgatory directory and inode mapping

PUBLICATION-DATE: September 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Manley, Stephen L.	London	CA	GB	
Owara, Shane S.	Mountain View		US	

US-CL-CURRENT: 707/204

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: JP 2004038928 A, US 20030182325 A1

L4: Entry 3 of 8

File: DWPI

Feb 5, 2004

DERWENT-ACC-NO: 2003-811673

DERWENT-WEEK: 200411

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TITLE: Data stream reception system populates replica file system with file data from source based upon offsets in inode map

INVENTOR: MANLEY, S L; OWARA, S S

PRIORITY-DATA: 2002US-0100950 (March 19, 2002), 2002US-0100967 (March 19, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2004038928 A	February 5, 2004		093	G06F012/00
US 20030182325 A1	September 25, 2003		038	G06F012/00

INT-CL (IPC): G06 F 3/06; G06 F 12/00

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 4. Document ID: US 20030158873 A1

L4: Entry 4 of 8

File: DWPI

Aug 21, 2003

DERWENT-ACC-NO: 2003-745685

DERWENT-WEEK: 200370

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TITLE: Access provision method in client information processing system, involves determining whether most recent snapshot data set includes inode corresponding to inode number specified in link

INVENTOR: SAWDON, W A; SCHMUCK, F B

PRIORITY-DATA: 2002US-0077246 (February 15, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20030158873 A1	August 21, 2003		055	G06F017/30

INT-CL (IPC): G06 F 12/00; G06 F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 5. Document ID: US 20030158863 A1

L4: Entry 5 of 8

File: DWPI

Aug 21, 2003

DERWENT-ACC-NO: 2003-745679

DERWENT-WEEK: 200370

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TITLE: File system snapshot provision method in computer system, involves copying inode corresponding to source file, without copying disk address of data block when only metadata is modified

INVENTOR: HASKIN, R L; SAWDON, W A ; SCHMUCK, F B ; WYLLIE, J C

PRIORITY-DATA: 2002US-0077345 (February 15, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 20030158863 A1</u>	August 21, 2003		055	G06F012/00

INT-CL (IPC): G06 F 12/00

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 6. Document ID: US 20030158834 A1

L4: Entry 6 of 8

File: DWPI

Aug 21, 2003

DERWENT-ACC-NO: 2003-745664

DERWENT-WEEK: 200370

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TITLE: File system snapshot updating method used for e.g. data backup, involves copying data contents including shadow inode and data block referenced by disk address in shadow inode

INVENTOR: SAWDON, W A; SCHMUCK, F B ; WYLLIE, J C

PRIORITY-DATA: 2002US-0077371 (February 15, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 20030158834 A1</u>	August 21, 2003		055	G06F007/00

INT-CL (IPC): G06 F 7/00

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 7. Document ID: CA 2165912 C, CA 2165912 A

L4: Entry 7 of 8

File: DWPI

May 25, 2004

DERWENT-ACC-NO: 1997-457927

DERWENT-WEEK: 200436

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TITLE: Write anywhere file-system layout e.g. for file server back-up - always writes new data to unallocated blocks on disk, creates snapshots for duplicate inode to be virtual read-only copies of file system

INVENTOR: HITZ, D; LAU, J ; MALCOLM, M ; RAKITZIS, B

PRIORITY-DATA: 1995CA-2165912 (December 21, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>CA 2165912 C</u>	May 25, 2004	E	000	G06F017/30
<u>CA 2165912 A</u>	June 22, 1997		093	G06F017/30

INT-CL (IPC): G06 F 17/30

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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☐ 8. Document ID: US 20040260673 A1, WO 9429807 A1, EP 702815 A1, JP 08511367 W, US 5819292 A, US 5963962 A, EP 1003103 A2, EP 702815 B1, DE 69425658 E, US 6289356 B1, US 20020091670 A1, US 6721764 B2

L4: Entry 8 of 8

File: DWPI

Dec 23, 2004

DERWENT-ACC-NO: 1995-098470

DERWENT-WEEK: 200504

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TITLE: Write-anywhere file consistent point generation for file server back=up - marking inodes pointing to modified blocks in file system as being in consistency point, flushing regular and special files to storage, and re-queuing dirty inodes that were not part of consistence point

INVENTOR: HITZ, D; LAU, J ; MALCOM, M ; RAKITZIS, B ; MALCOLM, M

PRIORITY-DATA: 1993US-0071643 (June 3, 1993), 1995US-0454921 (May 31, 1995), 1998US-0108022 (June 30, 1998), 1998US-0153094 (September 14, 1998), 2004US-0822630 (April 12, 2004)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 20040260673 A1</u>	December 23, 2004		000	G06F017/30
<u>WO 9429807 A1</u>	December 22, 1994	E	091	G06F015/40
<u>EP 702815 A1</u>	March 27, 1996	E	091	
<u>JP 08511367 W</u>	November 26, 1996		092	G06F012/00
<u>US 5819292 A</u>	October 6, 1998		000	G06F017/30
<u>US 5963962 A</u>	October 5, 1999		000	G06F017/30
<u>EP 1003103 A2</u>	May 24, 2000	E	000	G06F011/14
<u>EP 702815 B1</u>	August 23, 2000	E	000	G06F011/14
<u>DE 69425658 E</u>	September 28, 2000		000	G06F011/14
<u>US 6289356 B1</u>	September 11, 2001		000	G06F012/00
<u>US 20020091670 A1</u>	July 11, 2002		000	G06F007/00
<u>US 6721764 B2</u>	April 13, 2004		000	G06F012/00

INT-CL (IPC): [G06 F 7/00](#); [G06 F 11/14](#); [G06 F 12/00](#); [G06 F 15/40](#); [G06 F 17/30](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	KWIC	Draw. De
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
SNAPSHOT\$1	0
SNAPSHOT	10472
SNAPSHOTR	1
SNAPSHOTS	4176
SNAPSHOT1	1
SNAPSHOT2	1
SNAPSHOT3	1
SNAPSHOT:	1
SNAPSHOT]	1
SNAPSHOT*	1
(L3 AND SNAPSHOT\$1).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	8

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Search Results - Record(s) 1 through 9 of 9 returned.

☐ 1. Document ID: US 20050050110 A1

Using default format because multiple data bases are involved.

L16: Entry 1 of 9

File: PGPB

Mar 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050050110

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050050110 A1

TITLE: Providing a snapshot of a subject of a file system

PUBLICATION-DATE: March 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/201

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
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☐ 2. Document ID: US 20030159007 A1

L16: Entry 2 of 9

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030159007

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030159007 A1

TITLE: Deferred copy-on-write of a snapshot

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 711/154; 711/156

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KAMC	Draw D
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☐ 3. Document ID: US 20030158873 A1

L16: Entry 3 of 9

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158873

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158873 A1

TITLE: Dynamic links to file system snapshots

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/204

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KAMC	Draw D
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☐ 4. Document ID: US 20030158863 A1

L16: Entry 4 of 9

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158863

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158863 A1

TITLE: File system snapshot with ditto address feature

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Haskin, Roger L.	Morgan Hill	CA	US	
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	
Wyllie, James C.	Monte Sereno	CA	US	

US-CL-CURRENT: 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KAMC	Draw D
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☐ 5. Document ID: US 20030158862 A1

L16: Entry 5 of 9

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158862

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158862 A1

TITLE: Standby file system with snapshot feature

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Eshel, Marc M.	San Jose	CA	US	
Haskin, Roger L.	Morgan Hill	CA	US	
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Keywords	Draw D
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☐ 6. Document ID: US 20030158861 A1

L16: Entry 6 of 9

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158861

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158861 A1

TITLE: Providing a snapshot of a subset of a file system

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	Keywords	Draw D
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☐ 7. Document ID: US 20030158834 A1

L16: Entry 7 of 9

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158834
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20030158834 A1

TITLE: Writable file system snapshot with ditto address feature

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	
Wyllie, James C.	Monte Sereno	CA	US	

US-CL-CURRENT: 707/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 8. Document ID: US 6829617 B2

L16: Entry 8 of 9

File: USPT

Dec 7, 2004

US-PAT-NO: 6829617
DOCUMENT-IDENTIFIER: US 6829617 B2

TITLE: Providing a snapshot of a subset of a file system

DATE-ISSUED: December 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sawdon, Wayne A.	San Jose	CA		
Schmuck, Frank B.	Campbell	CA		

US-CL-CURRENT: 707/102; 707/10, 707/205, 707/4, 709/201

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 9. Document ID: US 6748504 B2

L16: Entry 9 of 9

File: USPT

Jun 8, 2004

US-PAT-NO: 6748504
DOCUMENT-IDENTIFIER: US 6748504 B2

TITLE: Deferred copy-on-write of a snapshot

DATE-ISSUED: June 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sawdon; Wayne A.	San Jose	CA		
Schmuck; Frank B.	Campbell	CA		

US-CL-CURRENT: 711/162; 707/202, 711/221

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
MULTIPLE	1635861
MULTIPLES	54466
INODE\$1	0
INODE	4892
INODED	3
INODEE	1
INODEF	1
INODEG	2
INODEI	42
INODEJ	4
INODEL	619
(L15 AND (MULTIPLE NEAR5 INODE\$1)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	9

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Hit List

Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 22 of 22 returned.

☐ 1. Document ID: US 20050050110 A1

Using default format because multiple data bases are involved.

L18: Entry 1 of 22

File: PGPB

Mar 3, 2005

PGPUB-DOCUMENT-NUMBER: 20050050110

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050050110 A1

TITLE: Providing a snapshot of a subject of a file system

PUBLICATION-DATE: March 3, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/201

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	WMO	Draw D
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☐ 2. Document ID: US 20040250033 A1

L18: Entry 2 of 22

File: PGPB

Dec 9, 2004

PGPUB-DOCUMENT-NUMBER: 20040250033

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040250033 A1

TITLE: System and method for managing stored data

PUBLICATION-DATE: December 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Prahlad, Anand	East Brunswick	NJ	US	
May, Andreas	Marlboro	NJ	US	
Lunde, Norman R.	Middletown	NJ	US	
Zhou, Lixin	Marlboro	NJ	US	
Kumar, Avinash	Ocean	NJ	US	
Ngo, David	Shrewbury	NJ	US	

US-CL-CURRENT: 711/162

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw D
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☐ 3. Document ID: US 20040002934 A1

L18: Entry 3 of 22

File: PGPB

Jan 1, 2004

PGPUB-DOCUMENT-NUMBER: 20040002934

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040002934 A1

TITLE: System and method for providing requested file mapping information for a file on a storage device

PUBLICATION-DATE: January 1, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Taulbee, Bradley	Fort Collins	CO	US	
Spivak, Scott	Fort Collins	CO	US	
Fleischmann, Michael	Fort Collins	CO	US	
Cain, Gary	Fort Collins	CO	US	
Collins, Kevin	Fort Collins	CO	US	

US-CL-CURRENT: 707/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw D
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☐ 4. Document ID: US 20030159007 A1

L18: Entry 4 of 22

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030159007

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030159007 A1

TITLE: Deferred copy-on-write of a snapshot

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 711/154; 711/156

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw D
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☐ 5. Document ID: US 20030158873 A1

L18: Entry 5 of 22

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158873

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158873 A1

TITLE: Dynamic links to file system snapshots

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/204

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 6. Document ID: US 20030158863 A1

L18: Entry 6 of 22

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158863

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158863 A1

TITLE: File system snapshot with ditto address feature

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Haskin, Roger L.	Morgan Hill	CA	US	
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	
Wyllie, James C.	Monte Sereno	CA	US	

US-CL-CURRENT: 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 7. Document ID: US 20030158862 A1

L18: Entry 7 of 22

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158862

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158862 A1

TITLE: Standby file system with snapshot feature

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Eshel, Marc M.	San Jose	CA	US	
Haskin, Roger L.	Morgan Hill	CA	US	
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 8. Document ID: US 20030158861 A1

L18: Entry 8 of 22

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158861

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158861 A1

TITLE: Providing a snapshot of a subset of a file system

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	

US-CL-CURRENT: 707/200

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 9. Document ID: US 20030158834 A1

L18: Entry 9 of 22

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158834

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158834 A1

TITLE: Writable file system snapshot with ditto address feature

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sawdon, Wayne A.	San Jose	CA	US	
Schmuck, Frank B.	Campbell	CA	US	
Wyllie, James C.	Monte Sereno	CA	US	

US-CL-CURRENT: 707/1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 10. Document ID: US 6874035 B1

L18: Entry 10 of 22

File: USPT

Mar 29, 2005

US-PAT-NO: 6874035

DOCUMENT-IDENTIFIER: US 6874035 B1

TITLE: System and methods for transforming data from a source to target platform using snapshot

DATE-ISSUED: March 29, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Andre; Jeffrey	Denver	CO		
Tomsula; Patrick J.	Arvada	CO		

US-CL-CURRENT: 709/246; 707/200, 707/4, 709/201, 709/203, 709/212, 709/213, 711/114, 711/118, 711/133, 719/310

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 11. Document ID: US 6829617 B2

L18: Entry 11 of 22

File: USPT

Dec 7, 2004

US-PAT-NO: 6829617

DOCUMENT-IDENTIFIER: US 6829617 B2

TITLE: Providing a snapshot of a subset of a file system

DATE-ISSUED: December 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sawdon; Wayne A.	San Jose	CA		
Schmuck; Frank B.	Campbell	CA		

US-CL-CURRENT: 707/102; 707/10, 707/205, 707/4, 709/201

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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☐ 12. Document ID: US 6748504 B2

L18: Entry 12 of 22

File: USPT

Jun 8, 2004

US-PAT-NO: 6748504

DOCUMENT-IDENTIFIER: US 6748504 B2

TITLE: Deferred copy-on-write of a snapshot

DATE-ISSUED: June 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sawdon; Wayne A.	San Jose	CA		
Schmuck; Frank B.	Campbell	CA		

US-CL-CURRENT: 711/162; 707/202, 711/221

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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☐ 13. Document ID: US 6311193 B1

L18: Entry 13 of 22

File: USPT

Oct 30, 2001

US-PAT-NO: 6311193

DOCUMENT-IDENTIFIER: US 6311193 B1

**** See image for Certificate of Correction ****

TITLE: Computer system

DATE-ISSUED: October 30, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sekido; Kazunori	Tokyo			JP

US-CL-CURRENT: 707/202; 711/154

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Draw D
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☐ 14. Document ID: US 6205450 B1

L18: Entry 14 of 22

File: USPT

Mar 20, 2001

US-PAT-NO: 6205450

DOCUMENT-IDENTIFIER: US 6205450 B1

**** See image for Certificate of Correction ****

TITLE: Computer system capable of restarting system using disk image of arbitrary snapshot

DATE-ISSUED: March 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kanome; Namiko	Tokyo			JP

US-CL-CURRENT: 707/203; 707/204, 707/206

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw D
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☐ 15. Document ID: US 5974544 A

L18: Entry 15 of 22

File: USPT

Oct 26, 1999

US-PAT-NO: 5974544

DOCUMENT-IDENTIFIER: US 5974544 A

TITLE: Method and controller for defect tracking in a redundant array

DATE-ISSUED: October 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jeffries; Kenneth Layton	Leander	TX		
Jones; Craig S.	Austin	TX		

US-CL-CURRENT: 713/1; 710/10, 714/8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWC	Draw D
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☐ 16. Document ID: US 5619723 A

L18: Entry 16 of 22

File: USPT

Apr 8, 1997

US-PAT-NO: 5619723

DOCUMENT-IDENTIFIER: US 5619723 A

TITLE: System for scheduling read ahead operations if new request is sequential of last n last read requests wherein n is different on independent activities

DATE-ISSUED: April 8, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jones; Craig S.	Austin	TX		
Jeffries; Kenneth L.	Leander	TX		
Parks; Terry J.	Round Rock	TX		

US-CL-CURRENT: 710/3; 711/111

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw De
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☐ 17. Document ID: US 5530960 A

L18: Entry 17 of 22

File: USPT

Jun 25, 1996

US-PAT-NO: 5530960

DOCUMENT-IDENTIFIER: US 5530960 A

TITLE: Disk drive controller accepting first commands for accessing composite drives and second commands for individual diagnostic drive control wherein commands are transparent to each other

DATE-ISSUED: June 25, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Parks; Terry J.	Round Rock	TX		
Jeffries; Kenneth L.	Leander	TX		
Jones; Craig S.	Austin	TX		

US-CL-CURRENT: 710/5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw De
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☐ 18. Document ID: US 5506977 A

L18: Entry 18 of 22

File: USPT

Apr 9, 1996

US-PAT-NO: 5506977

DOCUMENT-IDENTIFIER: US 5506977 A

TITLE: Method and controller for minimizing reads during partial stripe write operations to a disk drive

DATE-ISSUED: April 9, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jones; Craig S.	Austin	TX		

US-CL-CURRENT: 711/155

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWNC	Draw De
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☐ 19. Document ID: US 5483641 A

L18: Entry 19 of 22

File: USPT

Jan 9, 1996

US-PAT-NO: 5483641
DOCUMENT-IDENTIFIER: US 5483641 A

TITLE: System for scheduling readahead operations if new request is within a proximity of N last read requests wherein N is dependent on independent activities

DATE-ISSUED: January 9, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jones; Craig S.	Austin	TX		
Jeffries; Kenneth L.	Leander	TX		
Parks; Terry J.	Round Rock	TX		

US-CL-CURRENT: 710/3; 711/111

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNHC	Draw D
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☐ 20. Document ID: US 5473761 A

L18: Entry 20 of 22

File: USPT

Dec 5, 1995

US-PAT-NO: 5473761
DOCUMENT-IDENTIFIER: US 5473761 A

TITLE: Controller for receiving transfer requests for noncontiguous sectors and reading those sectors as a continuous block by interspersing no operation requests between transfer requests

DATE-ISSUED: December 5, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Parks; Terry J.	Round Rock	TX		
Jeffries; Kenneth L.	Leander	TX		
Jones; Craig S.	Austin	TX		

US-CL-CURRENT: 711/4; 710/26, 710/74, 711/112, 711/114, 711/154, 711/170

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KNHC	Draw D
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☐ 21. Document ID: US 5313626 A

L18: Entry 21 of 22

File: USPT

May 17, 1994

US-PAT-NO: 5313626
DOCUMENT-IDENTIFIER: US 5313626 A

TITLE: Disk drive array with efficient background rebuilding

DATE-ISSUED: May 17, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jones; Craig S.	Austin	TX	78759	
Overfield; Anthony L.	Austin	TX	78727	

US-CL-CURRENT: 714/5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 22. Document ID: US 5313585 A

L18: Entry 22 of 22

File: USPT

May 17, 1994

US-PAT-NO: 5313585

DOCUMENT-IDENTIFIER: US 5313585 A

TITLE: Disk drive array with request fragmentation

DATE-ISSUED: May 17, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jeffries; Kenneth L.	Leander	TX	78641	
Jones; Craig S.	Austin	TX	78759	

US-CL-CURRENT: 711/201; 711/112, 711/4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Term	Documents
UNIX	29292
UNICES	2
UNIXES	9
(17 AND UNIX).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	22
(L17 AND UNIX).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	22

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Hit List

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 10 of 10 returned.☐ 1. Document ID: US 6857001 B2

Using default format because multiple data bases are involved.

L21: Entry 1 of 10

File: USPT

Feb 15, 2005

US-PAT-NO: 6857001

DOCUMENT-IDENTIFIER: US 6857001 B2

TITLE: Multiple concurrent active file systems

DATE-ISSUED: February 15, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hitz; David	Los Altos	CA		
Edwards; John	Sunnyvale	CA		
Lewis; Blake	Los Altos Hills	CA		

US-CL-CURRENT: 707/202; 707/1, 707/100, 707/201, 707/8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 2. Document ID: US 6848106 B1

L21: Entry 2 of 10

File: USPT

Jan 25, 2005

US-PAT-NO: 6848106

DOCUMENT-IDENTIFIER: US 6848106 B1

TITLE: Snapshot restore of application chains and applications

DATE-ISSUED: January 25, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hipp; Burton A.	Elk Grove	CA		

US-CL-CURRENT: 719/312; 709/213, 709/214, 709/226, 718/1, 718/100, 718/104

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 3. Document ID: US 6751637 B1

L21: Entry 3 of 10

File: USPT

Jun 15, 2004

US-PAT-NO: 6751637

DOCUMENT-IDENTIFIER: US 6751637 B1

TITLE: Allocating files in a file system integrated with a raid disk sub-system

DATE-ISSUED: June 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hitz; David	Sunnyvale	CA		
Malcolm; Michael	Los Altos	CA		
Lau; James	Cupertino	CA		
Rakitzis; Byron	Mountain View	CA		

US-CL-CURRENT: 707/202; 707/200, 707/203, 707/204, 707/205, 711/114

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 4. Document ID: US 6721764 B2

L21: Entry 4 of 10

File: USPT

Apr 13, 2004

US-PAT-NO: 6721764

DOCUMENT-IDENTIFIER: US 6721764 B2

TITLE: Copy on write file system consistency and block usage

DATE-ISSUED: April 13, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hitz; David	Los Altos	CA		
Malcolm; Michael	Los Altos	CA		
Lau; James	Los Altos Hills	CA		
Rakitzis; Byron	Burlingame	CA		

US-CL-CURRENT: 707/202; 707/203, 707/204, 714/15, 714/20

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. De
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☐ 5. Document ID: US 6674447 B1

L21: Entry 5 of 10

File: USPT

Jan 6, 2004

US-PAT-NO: 6674447

DOCUMENT-IDENTIFIER: US 6674447 B1

TITLE: Method and apparatus for automatically recording snapshots of a computer screen during a computer session for later playback

DATE-ISSUED: January 6, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chiang; Hui-Hwa	Fremont	CA		
Lee; Kuo-Chun	Fremont	CA		
Chen; Tsung-Yen (Eric)	Fremont	CA		
Han; Ching-Chih (Jason)	Fremont	CA		

US-CL-CURRENT: 715/704; 345/531

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw D
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☐ 6. Document ID: US 6604118 B2

L21: Entry 6 of 10

File: USPT

Aug 5, 2003

US-PAT-NO: 6604118

DOCUMENT-IDENTIFIER: US 6604118 B2

TITLE: File system image transfer

DATE-ISSUED: August 5, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kleiman; Steven	Los Altos	CA		
Hitz; David	Portola Valley	CA		
Harris; Guy	Mountain View	CA		
O'Malley; Sean	Santa Clara	CA		

US-CL-CURRENT: 707/203; 707/204

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWMC	Draw D
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☐ 7. Document ID: US 6484187 B1

L21: Entry 7 of 10

File: USPT

Nov 19, 2002

US-PAT-NO: 6484187

DOCUMENT-IDENTIFIER: US 6484187 B1

**** See image for Certificate of Correction ****

TITLE: Coordinating remote copy status changes across multiple logical sessions to maintain consistency

DATE-ISSUED: November 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kern; Ronald Maynard	Tucson	AZ		
McBride; Gregory Edward	Tucson	AZ		
Shackelford; David Michael	Tucson	AZ		

US-CL-CURRENT: 707/204; 707/10, 707/200, 707/201

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 8. Document ID: US 6442605 B1

L21: Entry 8 of 10

File: USPT

Aug 27, 2002

US-PAT-NO: 6442605

DOCUMENT-IDENTIFIER: US 6442605 B1

TITLE: Method and apparatus for system maintenance on an image in a distributed data processing system

DATE-ISSUED: August 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rodriguez; Herman	Austin	TX		

US-CL-CURRENT: 709/223

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw D
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☐ 9. Document ID: US 6374363 B1

L21: Entry 9 of 10

File: USPT

Apr 16, 2002

US-PAT-NO: 6374363

DOCUMENT-IDENTIFIER: US 6374363 B1

TITLE: Method for generating a footprint image file for an intelligent backup and restoring system

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wu; Gilbert Chang-Tying	San Jose	CA		
Bui; Thanh T.	San Jose	CA		
Goshey; Michael M.	San Jose	CA		

US-CL-CURRENT: 714/6; 714/42

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw D
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☐ 10. Document ID: US 6373498 B1

L21: Entry 10 of 10

File: USPT

Apr 16, 2002

US-PAT-NO: 6373498

DOCUMENT-IDENTIFIER: US 6373498 B1

TITLE: Displaying images during boot-up and shutdown

DATE-ISSUED: April 16, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Abgrall; Jean-Paul	San Jose	CA		

US-CL-CURRENT: 345/619

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw D
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Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Term	Documents
"6205450"	11
6205450S	0
"6205450".UREF..PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	10
(6205450.UREF.).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	10

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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs
Generate OACS				

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 6857001 B2

Using default format because multiple data bases are involved.

L22: Entry 1 of 1

File: USPT

Feb 15, 2005

US-PAT-NO: 6857001

DOCUMENT-IDENTIFIER: US 6857001 B2

TITLE: Multiple concurrent active file systems

DATE-ISSUED: February 15, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hitz; David	Los Altos	CA		
Edwards; John	Sunnyvale	CA		
Lewis; Blake	Los Altos Hills	CA		

US-CL-CURRENT: 707/202; 707/1, 707/100, 707/201, 707/8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw. D
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Clear	Generate Collection	Print	Fwd Refs	Bkwd Refs	Generate OACS
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Term	Documents
"6604118"	2
6604118S	0
"6604118".UREF..PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1
((6604118.UREF.).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	1

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